Vincent Bottom

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EDUCATION

BRANDEIS UNIVERSITY
M.S. User-Centered Design, GPA 4.0
2023 - 2025

DEPAUL UNIVERSITY
B.A. in Psychology, GPA 3.6
cum laude
2013 - 2017

LINKS

GitHub
LinkedIn
Google Scholar

SOFTWARE

Python • R • SQL
MS Excel • Qualtrics • Miro
Git • React JS
JavaScript/HTML/CSS

LANGUAGES

Italian (limited proficiency)

CERTIFICATIONS

HIPAA • EPIC • IRB

COURSEWORK

UC DAVIS
Calculus II
Calculus III
Physics

META
Intro to Front-End Development
Programming with Javascript

PUBLICATIONS

PEDIATRICS
The Effect of Earlier Bedtime
on Adolescent Sleep Duration

SLEEP
Maturational trend of
daytime sleep propensity
in adolescents

EXPERIENCE

WASHU SCHOOL OF MEDICINE | Healthcare Data Analyst
Oct 2023 - Current | Remote
- Authoring Python scripts to increase efficiency of data cleaning for data related to viral loads, government database uploads, patient retention, and patient outcomes.
- Conducting surveys, analyzing results, and presenting actionable insights to leadership.
- Hired for background in data analysis and user experience, to provide knowledge using lectures, research, and design in addition to data analysis and visualization.

DSG RESEARCH | Market Research Data Analyst
July 2022 - June 2023 | Tampa, Florida
- Directed 15 mixed-methods government market research studies
- Assisting with ongoing survey and data dashboard design
- Pulling, cleaning, analyzing, and presenting 1700 survey responses per month

UC DAVIS HEALTH | junior specialist
Aug 2020 - July 2022 | Davis, CA
- Analyzing sleep and waking electroencephalography (EEG) recordings using Fast Fourier Transform and scoring data for different stages of sleep
- Providing technical support for undergraduate student assistants in the lab
- Calibrating EEG equipment using a sine wave generator to control for incidental recorder variance in analysis
- Coauthoring scientific papers in the lab

WASHU SCHOOL OF MEDICINE | Research Coordinator
Jan 2018 - July 2020 | St. Louis, MO
- Led recruitment and scheduling for two brain magnetic resonance imaging (MRI) studies in the Human Connectome Project, focused on aging and child development
- Recruited 30 participants age 80+ in one month, a 300 percent increase, to help meet the recruitment goals of the Aging project

ANALYSIS PROJECTS

CASE MANAGER PERFORMANCE DASHBOARD
- Authored Python analysis scripts to automate monthly data analysis of Case Manager adherence to patient no-show protocol
- This was not previously possible due to difficult to analyze data sources from multiple databases: a government respository, SQL EPIC data, and team-facing spreadsheets
- Created data visualization using user-centered design best practices for visualization, including color placement, and overall visual design.
- Dashboard is now used at every case manager supervision meeting to track progress following protocol

PATIENT RETENTION RESEARCH AND DESIGN
- Co-authored a survey to discover pain points from Team Leads regarding their interactions with the data team.
- Analyzed findings and presented solutions to pain points. Identified the key problem: other teams were not getting data from us quickly enough.
- Created Python scripts to analyze data, and visualize qualitative and quantitative data to tell a strong story of the findings to stakeholders.